

VELOPEX[®]

Automatic X-Ray Film Processor

SPRINT



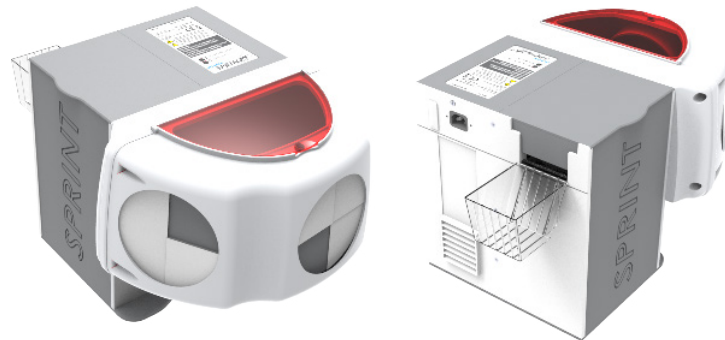
MODEL:

MK6

HEATED

MK6-E

UNHEATED



TECHNICAL MANUAL

FOR TRAINED TECHNICAL PERSONNEL

WARNING:

Do not plug into the electrical mains power supply before reading this manual.

This manual should be used in conjunction with I/LIT2066P SPRINT MK6 User Manual.



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I/LIT2067P SPRINT MK6 Technical Manual Iss.3
Issued: 17/12/12

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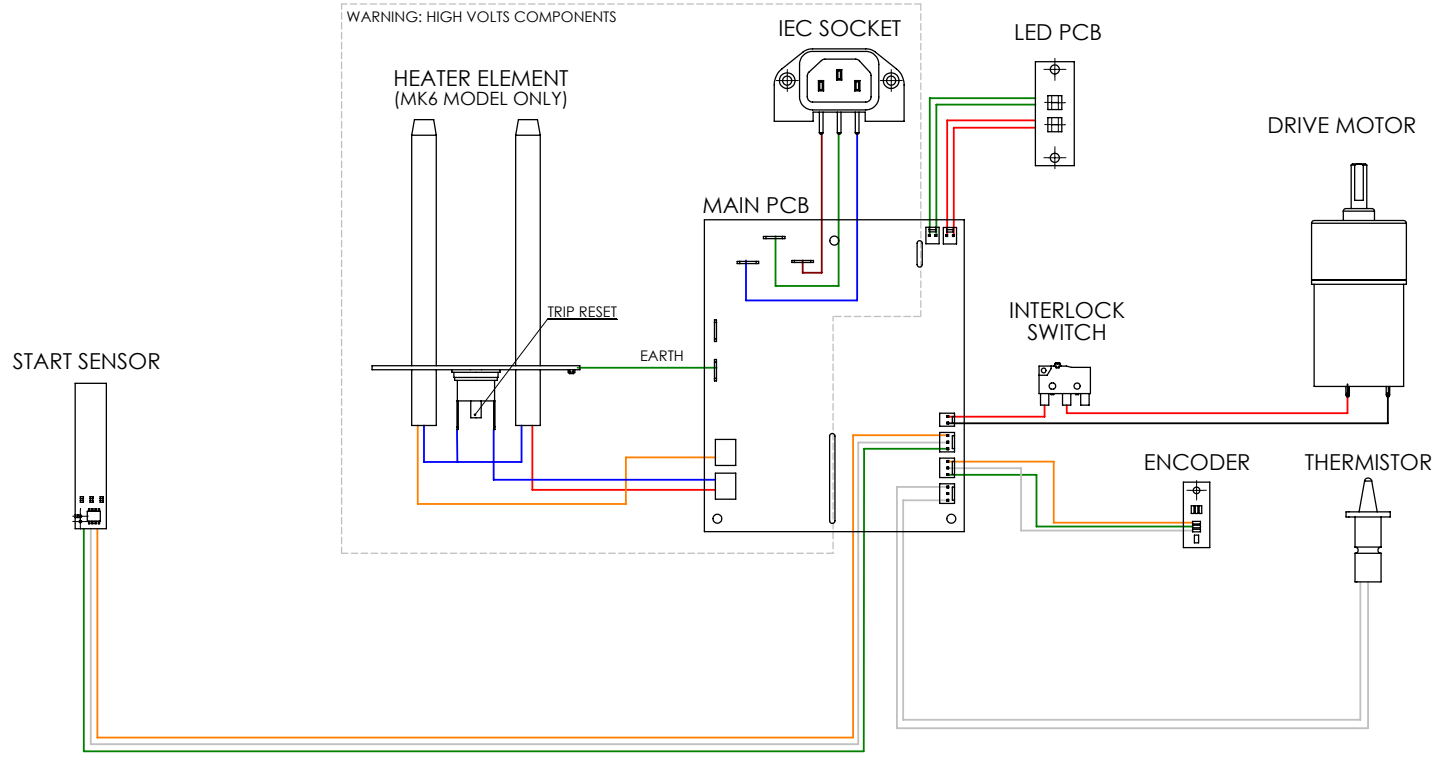
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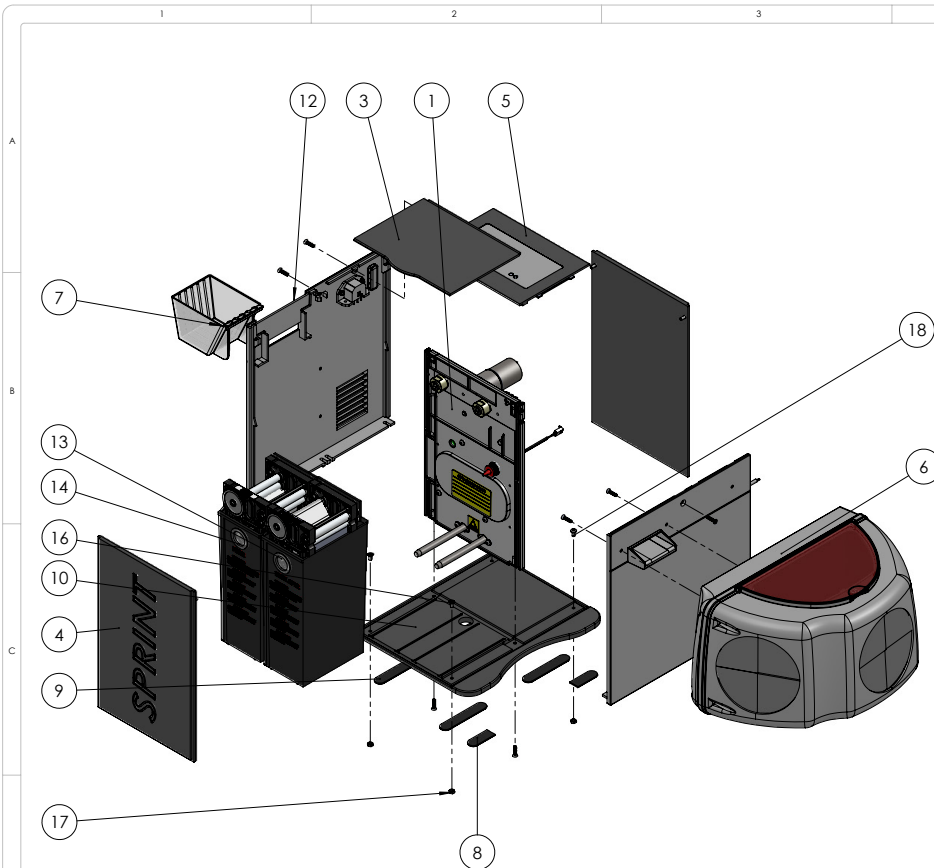
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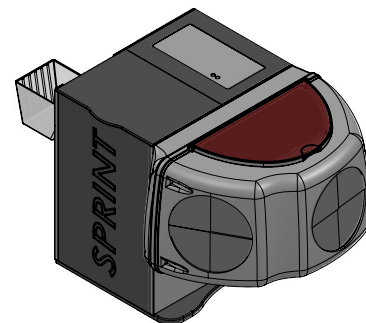


DIAGRAMS

								4			
								3			
PART No. ****	MACHINE SPRINT MK6	DRAWN D.BROWN	DATE 28.09.12	SCALE NTS	APPROVED	CHECKED	USED ON	2	MAIN PCB DETAIL ADDED	DB	15.10.12
DRAWING No. 28-187-A4		TITLE ELECTRICAL LAYOUT MEDIVANCE INSTRUMENTS LIMITED BARRETTS GREEN ROAD HARLESDEN LONDON NW10 7AP ENGLAND						1	FOR PRODUCTION		28.09.12
								ISSUE	DESCRIPTION	APP'D	DATE



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	28-159-A3 MOTOR BOARD MK6 ASSY	I/ASS0011A	1
2	28-177-A4 GEAR STRIP MK6	I/MDG2137P	1
3	28-163-A3 MODULE LID MK6 ASSY		1
4	28-160-A3 SIDE PANEL MK6 ASSY		2
5	28-162-A3 CONTROL PANEL MK6 ASSY		1
6	19-016-A3 INTRA DAYLIGHT LOADER ISSUE 2	I/ASS0261A	1
7	28-091-A2 WASH TANK	I/MDG7713P	1
8	32-547-A3 SINGLE FOOT PEDAL MOULDED STRIP	I/FIT8106P	2
9	32-547-A3 SINGLE FOOT PEDAL MOULDED STRIP	I/FIT8106P	4
10	28-158-A3 BASE MK6 ASSY		1
11	10-260-A3 INTRA FRONT PANEL ASSEMBLY		1
12	28-161-A3 BACK PANEL MK6 ASSY		1
13	28-185-A3 DEVELOPER ASSEMBLY		1
14	28-186-A3 FIXER ASSEMBLY		1
15	4x1.75x16mm PLASFIX COUNTERSUNK SCREW	I/FIX8913P	9
16	M4 x 8 POZI CSK	I/FIX 2045P	2
17	M4 FULL NUT	I/FIX 2100P	4
18	M4 x 8 POZI PAN	I/FIX 2040P	2

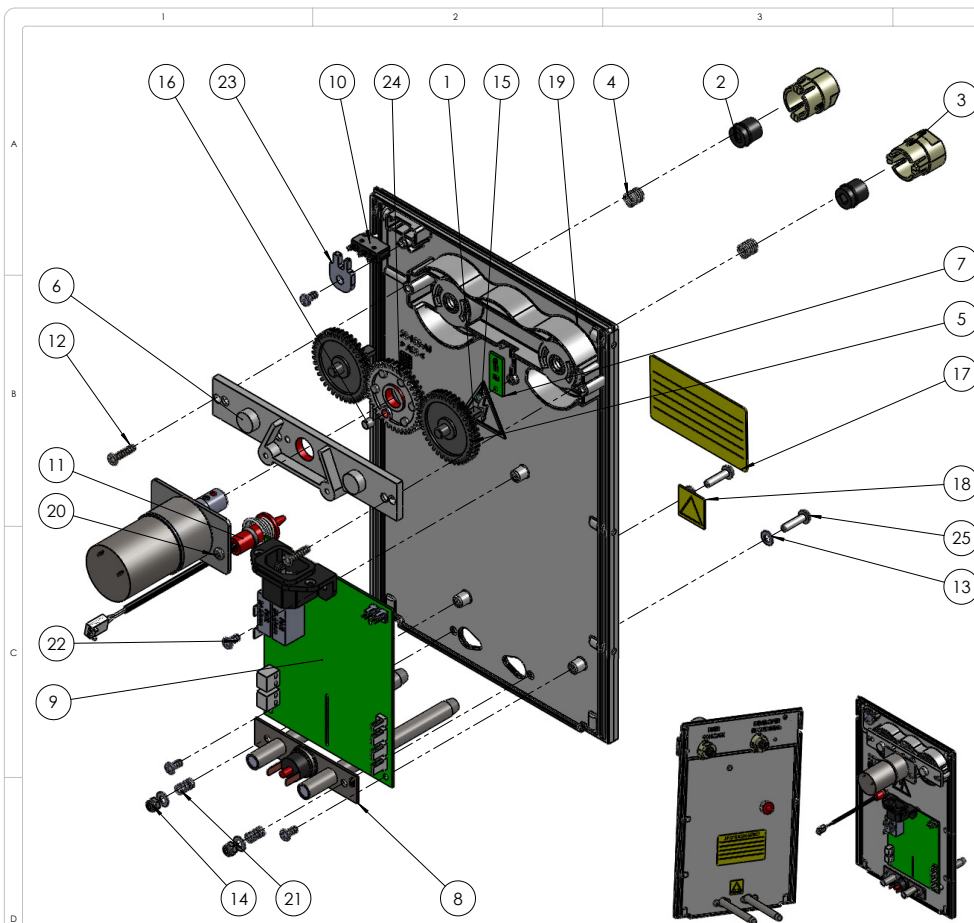


PART No. I/MAC9003F - UK I/MAC9004F - EXPORT	TITLE GENERAL ASSEMBLY	DRAWN D.BROWN	DATE 15.08.12	SCALE	APPROVED	CHECKED	USED ON
DRAWING No. 28-157-A3	MACHINE SPRINT MK6	MEDIVANCE INSTRUMENTS LIMITED BARRETT'S GREEN ROAD HARLESDEN LONDON NW10 7AP ENGLAND					

1	FOR PRODUCTION		27.09.12
1A	DEVELOPMENT	T.00386	15.08.12
ISSUE	DESCRIPTION	APP'D	DATE



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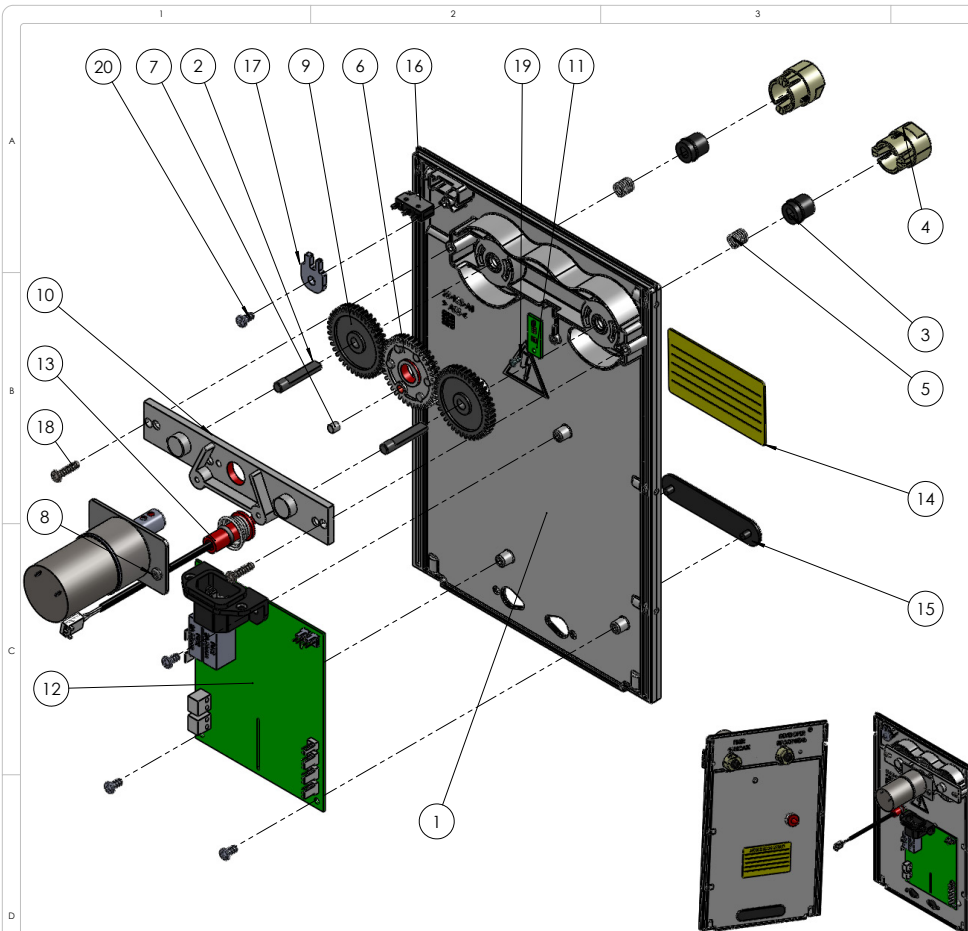
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ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	11-279-A3 DRIVE BUSH SHAFT	I/MDG0018P	2
2	10-060-A3 DRIVE DOG	I/MDG2200P	2
3	11-277-A3 BAYONET DRIVE BUSH	I/MDG0014P	2
4	10-061-A4 compression spring - compressed for sprint	I/SPR2000P	2
5	11-275-A3 MODULE DRIVE GEAR	I/MDG2125P	2
6	28-177-A4 GEAR STRIP MK6	I/MDG2137P	1
7	10-229-PCB Hall Effect	I/ELC1022P	1
8	10-034-A3 TWIN HEATER	I/ELC2098P	1
9	PCB	I/ELC1031P	1
10	OMRON-D2SW_01H	I/ELC7202P	1
11	28-139-A3_Mk6_THERMISTOR ASSEMBLY	I/ELC1105P	1
12	4x1.75x16mm PLASFIX POZI SCREW	I/FIX8109P	2
13	M4 PLAIN WASHERS	I/FIX2115P	4
14	M4 NYLOC	I/FIX3010P	2
15	2.5x1.4x6mm PLASFIX POZI SCREW	I/FIX8914P	1
16	5x5 magnet	I/FIT9900P	6
17	ILAB3001P SILICON GREASE LABEL	I/LAB2071P	1
18	ILAB6005P HEATER LABEL	I/LAB5001P	1
19	28-188-A1 MOTOR BOARD	I/MDG2176P	1
20	28-194-A4 DRIVE MOTOR ASSEMBLY	I/ASS0241P	1
21	5.1mm x 22mm SPRING	LC 018 BD 09M	2
22	4x1.75x8mm PLASFIX POZI SCREW	I/FIX8912P	4
23	28-191-A4 SWITCH LOCK	I/MDG2172P	1
24	28-178-A4 DRIVE GEAR MK6	I/MDG0010P	1
25	M4 x 16 POZI PAN	I/FIX 2070P	2

PART No.	*****	TITLE	MOTOR BOARD MK6 ASSEMBLY	DRAWN	D.BROWN	DATE	20.09.12	SCALE		APPROVED		CHECKED		USED ON	
DRAWING No.	SHEET 1 OF 2	MACHINE	SPRINT MK6 - HEATED (SHEET 1 OF 2) SPRINT MK6E - UNHEATED (SHEET 2 OF 2)												
	28-159-A3														

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BARRETT'S GREEN ROAD HARLESDEN
 LONDON NW10 7AP ENGLAND

3	SHEET 2 OF 2 ADDED		17.12.12
2	LABELS ADDED		24.09.12
1	FOR-PRODUCTION		20.09.12
ISSUE	DESCRIPTION	APP'D	DATE



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ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	28-188-A1 MOTOR BOARD	I/MDG2176P	1
2	11-279-A3 DRIVE BUSH SHAFT	I/MDG0018P	2
3	10-060-A3 DRIVE DOG	I/MDG2200P	2
4	11-277-A3 BAYONET DRIVE BUSH	I/MDG0014P	2
5	10-061-A4 compression spring - compressed for sprint	I/SPR2000P	2
6	28-178-A4 DRIVE GEAR MK6	I/MDG0010P	1
7	5x5 magnet	I/FIT9900P	6
8	28-194-A4 DRIVE MOTOR ASSEMBLY	I/ASS0241P	1
9	11-275-A3 MODULE DRIVE GEAR	I/MDG2125P	2
10	28-177-A4 GEAR STRIP MK6	I/MDG2137P	1
11	10-229-PCB Hall Effect	I/ELC1022P	1
12	PCB	I/ASS 1026M	1
13	28-139-A3_Mk6_THERMISTOR ASSEMBLY	I/ELC1105P	1
14	ILAB3001P SILICON GREASE LABEL	I/LAB2071P	1
15	Heater Cover	I/MDG2166P	1
16	OMRON-D2SW_01H	I/ELC7202P	1
17	28-191-A4 SWITCH LOCK	I/MDG2172P	1
18	4x1.75x16mm PLASFIX POZI SCREW	I/FIX8109P	2
19	2.5x1.4x6mm Plafix Pozl Screw	I/FIX8914P	1
20	4x1.75x8mm PLASFIX POZI SCREW	I/FIX8912P	4

PART No. *****	TITLE MOTOR BOARD MK6 ASSEMBLY	DRAWN D.BROWN	DATE 20.09.12	SCALE	APPROVED	CHECKED	USED ON
DRAWING No. SHEET 2 OF 2 28-159-A3	MACHINE SPRINT MK6 - HEATED (SHEET 1 OF 2) SPRINT MK6E - UNHEATED (SHEET 2 OF 2)	MEDIVANCE INSTRUMENTS LIMITED BARRETT'S GREEN ROAD HARLESDEN LONDON NW11 7AP ENGLAND					

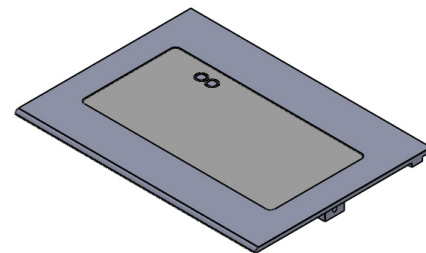
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3	SHEET 2 OF 2 ADDED		17.12.12
2	SEE SHEET 1 OF 2.		24.09.12
1	SEE SHEET 1 OF 2.		20.09.12
ISSUE	DESCRIPTION	APP'D	DATE

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	28-169-A3 CONTROL PANEL MK6	I/MDG2163P	1
2	28-171-A4 CONTROL PANEL LIP MK6	I/MDG2168P	1
3	28-175-A4 SCREW BLOCK MK6	I/MDG2169P	1
4	28-156-PCB LED PCB	I/ELC0011P	1
5	28-179-A4 MAIN LABEL MK6	I/LAB0033P-MK6 I/LAB0034P-MK6E	1
6	M2.5 x 4.1 Multisert Single Head	I/FIX0304P	2
7	M2.5 x 8 POZI PAN	I/FIX9007P	2
8	M3 PLAIN WASHERS	I/FIX2110P	4

1. BOND USING OSMA.
2. CLAMP IN PLACE UNTIL OSMA IS SET.



PART No. *****	TITLE CONTROL PANEL MK6 ASSY	DRAWN D.BROWN	DATE 10.09.12	SCALE	APPROVED	CHECKED	USED ON
DRAWING No. 28-162-A3	MACHINE SPRINT MK6 - HEATED SPRINT MK6E - UNHEATED	MEDIVANCE INSTRUMENTS LIMITED BARRETT'S GREEN ROAD HARLESDEN LONDON NW10 7AP ENGLAND					

4			
3	MK6-E LABEL PART NO. ADDED.		17/12/12
2	LID SWITCH REMOVED FOR-PRODUCTION		20/09/12
1			10/09/12
ISSUE	DESCRIPTION	APP'D	DATE

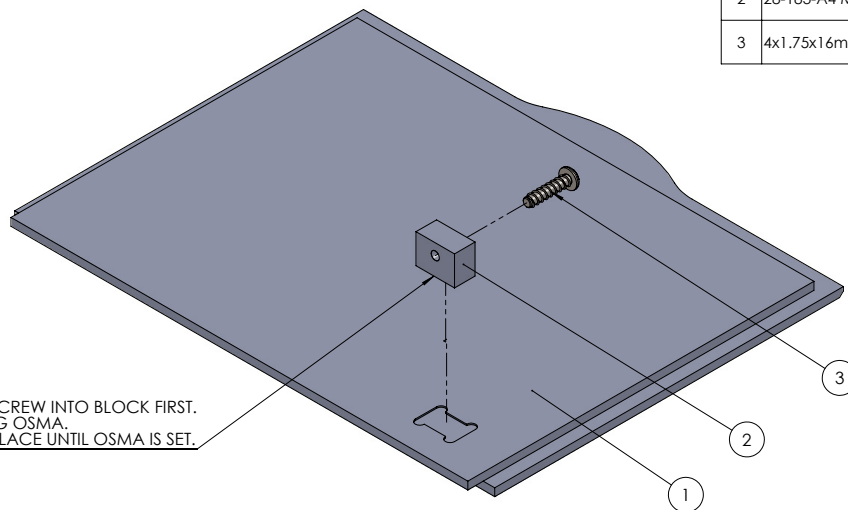
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ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	28-170-A3 MODULE LID MK6	I/MDG2164P	1
2	28-183-A4 MODULE LID SCREW BLOCK MK6	I/MDGtbcP	1
3	4x1.75x16mm PLASFIX POZI SCREW	I/FIX8109P	1

1. ASSEMBLE SCREW INTO BLOCK FIRST.
2. BOND USING OSMA.
3. CLAMP IN PLACE UNTIL OSMA IS SET.



4			
3			
2			
1	FOR-PRODUCTION		14.09.12
ISSUE	DESCRIPTION	APP'D	DATE

PART No. *****	TITLE MODULE LID MK6 ASSY	DRAWN D.BROWN	DATE 14.09.12	SCALE 1:1	APPROVED	CHECKED	USED ON
DRAWING No. 28-163-A3	MACHINE SPRINT MK6	MEDIVANCE INSTRUMENTS LIMITED BARRETT'S GREEN ROAD HARLESDEN LONDON NW10 7AP ENGLAND					

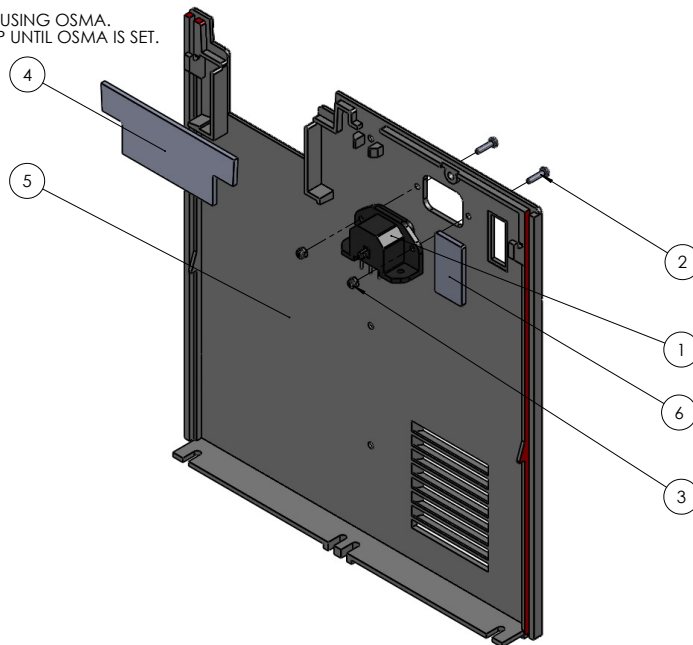
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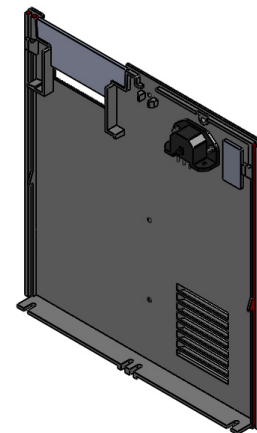
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ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	POWER SUPPLY SOCKET	I/ELC7229P	1
2	M3 x 12 POZI PAN	I/FIX 2028P	2
3	M3 NYLOC	I/FI X 8104P	2
4	28-172-A4 FILM EXIT COVER MK6	I/MDG2170P	1
5	10-006-A1 BACK PANEL	I/MDG2010P	1
6	28-192-A4 SWITCH BLANK	I/MDG2173P	1

1.BOND USING ODMA.
2.CLAMP UNTIL ODMA IS SET.



1.BOND USING ODMA.
2.CLAMP UNTIL ODMA IS SET.

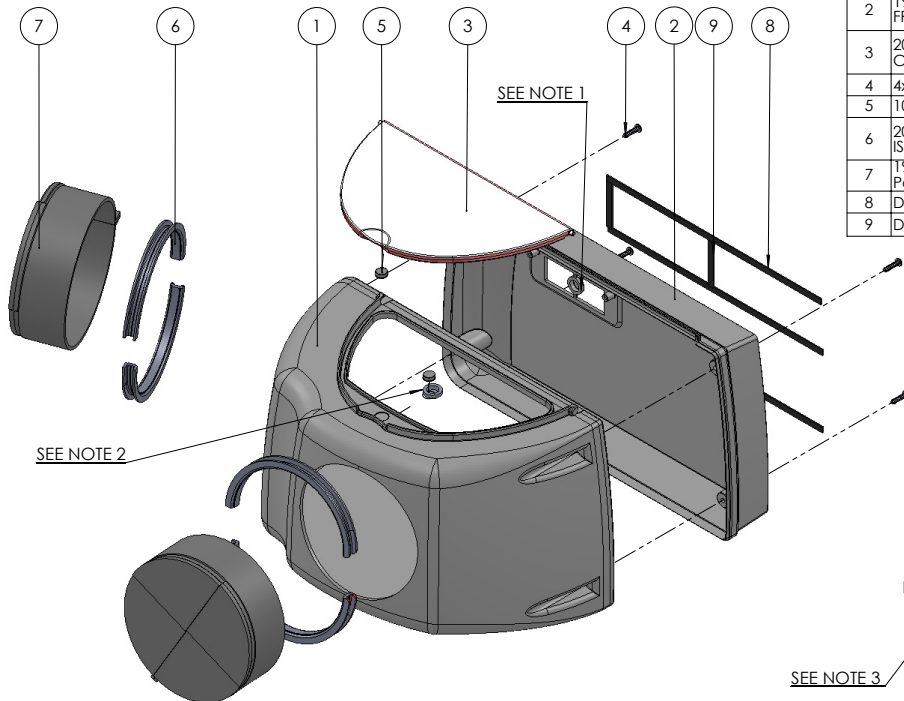


PART No.	*****	TITLE	BACK PANEL MK6 ASSY	DRAWN	D.BROWN	DATE	14.09.12	SCALE		APPROVED		CHECKED		USED ON	
DRAWING No.	28-161-A3	MACHINE	SPRINT MK6	MEDIVANCE INSTRUMENTS LIMITED BARRETS GREEN ROAD HARLESDEN <small>LONDON, NW10 7AP ENGLAND</small>											

4			
3			
2	SWITCH BLANK ADDED		17.12.12
1	FOR-PRODUCTION		14.09.12
ISSUE	DESCRIPTION	APP'D	DATE

NOTES

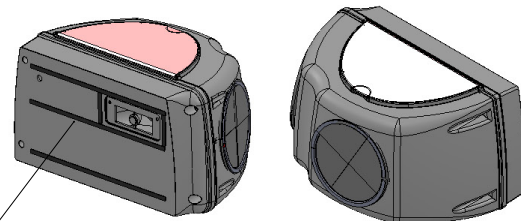
1. TRIM TO REMOVE MAGNET CARRIER.
2. USE SUPERGLUE TO ATTACH TO LOADER FRONT.
3. USE DOUBLE SIDED 6X0.8 FOAM TO ATTACH TO FRONT PANEL OF MACHINE.



ITEM NO.	DRAWING NO. & DESCRIPTION.	PART NO.	QTY.	SPARES PART NO.
1	19-014-5-A1 DAYLIGHT LOADER FRONT-BACK ISS 3	I/MDG3022P	1	
2	19-014-5-A1 DAYLIGHT LOADER FRONT-BACK ISS 2	I/MDG3026P	1	
3	20-036-A2 LOADER DALYLIGHT TRAP COVER RED	I/MDG2036P	1	
4	4x1.75x16mm PLASFIX POZI SCREW	I/FIX8109P	4	
5	10x4 magnet	I/FIT7102P	2	
6	20-037-A2 LOADER IRIS COLLER ISSUE4	I/MDG3037P	4	I/FIT3003F (PAIR)
7	19-021-A3 Glove Assembly - Five Part	I/FIT3003P	2	
8	Double sided 250x6x0.8 foam	I/FIT3025P	3	
9	Double sided 46x6x0.8 foam	I/FIT3025P	2	

COMPLETE ASSEMBLY I/MAC6100F

SPARES PACKING LIST			
ITEM NO.	DESCRIPTION	PART NO.	QTY
1	INTRA DAYLIGHT LOADER	I/ASS0261	1
2	TURN KNOB	I/FIT2035P	1
3	M4*1.75*16 PLASFIX POZIPAN COUNTER SUNK	I/FIX8109P	2
4	I/LIT ASSY INSTRUCTION	I/LIT9011P	1



PART No.	I/ASS0261	TITLE	INTRA DAYLIGHT LOADER	DRAWN	D.BROWN	DATE	16.06.10	SCALE		APPROVED		CHECKED		USED ON	
DRAWING No.	19-016-A3	MACHINE	INTRA	MEDIVANCE INSTRUMENTS LIMITED BARRETTS GREEN ROAD HARLESDEN LONDON NW10 7AP ENGLAND											

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3			
2	FOR PRODUCTION		25.10.10
1	PRE-PRODUCTION		16.07.10
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